



Polymer Electrolyte and Catalyst Binder for Galvanic and Electrolytic Cells

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Message from the Guest Editors

Dear Colleagues,

Ion-conducting polymeric materials have been applied as electrolytes and catalyst binders in electrochemical systems such as galvanic and electrolytic cells. Recently, membrane-integrated energy systems, such as fuel cells, water electrolyzers, and lithium batteries, have been attracting much attention, since the energy crisis and the fossil fuel-related environmental issues have become serious. In those systems, the polymeric materials require fast ion transport, excellent chemical and mechanical stabilities, and low transport of undesired species. Concerning these issues, the aim of this Special Issue is to introduce the recent experimental and simulation studies on the polymeric materials used as electrolytes and catalyst binders in galvanic and electrolytic cells.

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